**Higher Colleges of Technology**

**Common Course Outline**

* ***Course Title:***Learning Technologies for the Classroom
* ***Course Number:*** EDU 1302
* ***Course Credit Units:*** 2.00
* ***Total Contact Periods Per Week:***4
* ***Catalog Description:***

This course is an introductory level course to introduce students to computer hardware, software, and web-based learning technologies that can be used in teaching and learning. This foundation course introduces the fundamental elements of ICT for learning environments and its underlying pedagogy, educational issues relating to the use of technology in the classroom, the significance of technologies, their impact on society, and how society has changed as a result of them.

* ***Course Description:***

Students will begin generating a digital portfolio to document their work as they progress through the program. This course will prepare student teachers for the integration of technology in teaching and learning contexts. During this course student teachers will become skilled in the appropriate selection and use of a range of hardware that could be used for educational purposes.

* ***Grading Mode:***N - Normal Grading Mode
* ***Prerequisite Course(s):***
* ***Corequisite Course(s):***
* ***Equivalent Course(s):***
* ***Learning Outcomes:***
  + Introduce the fundamental elements of ICT for learning environments
  + Apply information learning technologies confidently and competently as effective productivity tools in education
  + Analyze educational issues relating to the use of technology in the classroom
  + Use the Internet as a tool for the creation of resources for an ICT portfolio
  + Review and apply appropriate file management techniques to students' own education coursework materials in an ongoing manner throughout the Bachelor of Education program, in order to reference previous learning, demonstrate developing competencies and showcase best practice and knowledge construction.
* ***Course Content Outline:***

1. Introduce the fundamental elements of ICT for learning environments

*Sub-outcome 01*: Develop an understanding of the underlying Pedagogy, Social Interaction, and the use of technology as a tool involved in ICT for educational purposes

*Sub-outcome 02*: Develop an awareness of new and emerging communication and learning technologies and how such technologies support teaching and learning

*Sub*-*outcome 03* : Develop an understanding of the impact of technology on the transfer of information (web, browsing, search engines, etc.), and communications technologies such as email, etc.

1. Apply information learning technologies confidently and competently as effective productivity tools in education

*Sub-outcome 01:* Create documents, presentations, graphs, and spreadsheets using productivity software.

*Sub-outcome 02*: Develop written presentation techniques, including effective communication scripts appropriate to the classroom.

*Sub-outcome 03*: Develop ICT based resources and/or teaching materials to be included in digital portfolio

*Sub-outcome 04*: Investigate hardware and new learning technologies used in education; i.e. Smart Boards, GPS Devices, Mobile Devices.

1. Analyze educational issues relating to the use of technology in the classroom

*Sub-outcome 01*: Recognize the significance of technologies, their impact on society, and how society has changed as a result of them. Discuss topics; i.e

* + - How the world (societies & students) has changed since the invention of computers and the beginning of the digital age
    - The effect of technology on humans, society, and cultures
    - The birth of “digital natives”
    - Global interconnectedness
    - Forecasted computer trends and the emerging use of technology in education
    - The role of the Internet in learning environments

*Sub-outcome 02*: Consider the impact of computers/learning technologies on language learning and acquisition.

*Sub-outcome 03*: Prescribe the use of computers/technologies for educational learning environments

*Sub-outcome 04*: Illustrate the ability to complete proper searches, locate information, and evaluate information

*Sub-outcome 05*: Illustrate the ability to research materials on the Internet using search engines and properly cite Internet resources using MLA format.

1. Use the Internet as a tool for the creation of resources for an ICT portfolio (% of scheduled learning activities will depend on the needs analysis outcome)

*Sub-outcome 01*: Import text from the Internet

*Sub-outcome 02*: Scan images from the Internet (Download)

*Sub-outcome 03*: Locate ICT resources (e.g. teaching resources such as poems, songs, stories, games, or templates for mindmaps and other cognitive tools)

1. Review and apply appropriate file management techniques to students' own education coursework materials in an ongoing manner throughout the Bachelor of Education program, in order to reference previous learning, demonstrate developing competencies and showcase best practice and knowledge construction.

*Sub-outcome 01*: Understand consistent and appropriate naming conventions for electronic documents and files, and compatibility issues between different computer operating systems (e.g. PC and Macintosh) and different software (e.g. Internet Explorer and Firefox)

*Sub-outcome 02* : Locate and retrieve electronically stored learning materials (e.g. assessments, past work, grading sheets, constructed resources, etc.) from previous courses to assist in studies the student is undertaking at any time during the program

* ***Instructional Methodology:***

Throughout this course a combination of hands-on ICT application, PowerPoint presentations, discussion, Q&A, readings and analysis and guided tasks should be used to support participants in achieving the learning outcomes.

* ***Methods of Evaluating Student Learning:***

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| **Final Assessment: 30%**  Common Specification Assessment (CSA) – the assessment is developed in accordance with the CSA specification approved by the DAT. The approved CSA specification is available to faculty on the academic division’s site at: <http://portal.hct.ac.ae/sites/acs/aaa/AssessmentUnit/Pages/CSA.aspx> (Outcomes: 1,2,3,4,5) |
| **Coursework: 35%**  Students will take part in regular classroom activities and assigned discussions. This will be assessed on at least two occasions. (Outcomes: 1,2,3) |
| **Skills Demonstration: 35%**  Students will build a presentation describing an issue related to the integration of technology in educational settings. The students will be assessed on both their effective use of presentation software (Powerpoint, Camtasia, Movie Maker) and the depth of the content being presented. (Outcomes: 1,2,3) |
| **Total Weight: 100%** |

* **Required Educational Resources:**
* ***Facilities:***
* ***Equipment:***
  + As there is an emphasis on practical training and the ongoing application of skills throughout the course, the following equipment is vital for the successful implementation of the course and integral to the B. Ed programme: Laptop computers with internet and printer access LCD Multimedia Projector (linked to computer and video) Digital Video Camera Digital Camcorder Tripod Laminating machine OHP
* ***Additional Useful Information:***
* ***Special Comment:***
* ***Attachments:***